Oliver J Kiemschies

From: George Velev <velev@fnal.gov>
Sent: Tuesday, May 03, 2011 12:29 PM
Subject: AD/TD Projects Meeting, May 4th at 1:30 pm, Industrial Central Building (ICB) engineering conference room

Dear all -

We are going to have our regular AD/TD Projects Meeting, May 4th at 1:30 pm. The meeting
is in the ICB engineering conference room.
Below, you can find the tentative agenda for the meeting.

George

AD/TD Projects Meeting
Wednesday, May 4th, 2011 1:30 PM
ICB engineering conference room
Archives for previous meetings can be found at:
http://tdserver1.fnal.gov/AcceleratorSupport/TD-BD_Meetings/

Linac:

372 - 5 blocker capacitors were fixed. The sixth one was return back as unrepairable.

372 - Collecting info and looking at the design of the drift tubes quadrupoles. We have 6 dimensionally different quads,
some of them without spares. Waiting for the drawings from BNL, preparing to cut one quad and to start the magnet simulation...

479- RFQ source,
3 solenoids are built - the first one was extensively measured and we do not see any problems. The second solenoid is mounted on the
measurement stand. We decided to produce a forth one, a spare one, the parts are under a procurement.
ME quads: parts for 6 quads including the H&V dipole correctors, are ordered - 3 doublets (6 magnets with common stands) have to
be produced.
LE dipole correctors are awarded to Milhouse, we expect to have an agreement on the design in a week.
Parts for 2 Einzel lens were received - they are under assembly, mostly welding, in the VMS.

Booster:
372 - Vacuum repairs of Booster spare gradient magnets - we have just received the parts from the inspection
and restarted the job. Optimistically, we expect to finish the first two spares in a month.

462 - Booster kicker ceramic tubes
The R&D for the tube painting with Electrodag is finalized. We are
getting consistent results with Electrodag. About half a dozen test,
varying the baking temperatures and durations, were done on old ceramic tubes. We are confident that after backing we can keep the resistance > 500 kOhm.
4 tubes are done and they show ~ 1-2 MOhm.

466 - Design and producing a prototype of a fast kicker for the Booster - done, kicker is under HV measurement.

372 - pole pieces for MV2 dipole spare are in the machine shop - the first pole tip is done, the second is in progress.

491 - New job: Provide assistance in estimating the cost of producing new Booster RF Tuners and fixing the old ones, collecting information. We have a meeting with a vendor, Ceramic Magnetics, Inc for the ferrites. Thursday, we will have another meeting with National Magnetics Group.

MI:
373 - Main Injector maintenance and repair
A IQG magnet is under modification to IQB -low priority; no progress.

374 - P-bar - no current active jobs for P-bar

376 - TeV - no current active jobs for TeV.

External beam lines:
433 - No current active jobs for the external beamline maintenance and repair.
EDBB magnets – leaking (fragile) ceramic manifold upgrade to EDBC. 18 magnets are done.

Next Meeting? June 1st or 8th?
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